



**FTW, LLC** ([www.FTWLLC.net](http://www.FTWLLC.net)) is a Manufacturers' Representative with a focus on **Power Products, Components, and Services**. We have developed a well-balanced set of suppliers to meet your entire product and support needs. Our territory is the Great Lakes Region, from Minnesota to Kentucky, and parts of Iowa to Ohio. We are here to serve you with fast and responsive service, with a thorough knowledge of our offerings.

## COMPONENTS

**Payton Group, LLC** ([www.paytongroup.com](http://www.paytongroup.com))

### **PLANAR TRANSFORMERS & INDUCTORS**

Payton Group designs and manufactures magnetics using all technologies including standard wire, square wire, and Litz wire. Payton specializes in **Planar Transformers and Inductors**. These transformers use a PCB and/or stamping technology and are **superior to standard wire wound transformers** in several ways. Planar transformers and inductors function better in high frequency and have a higher power capacity. They have a lower profile and more robust mounting design. Planars are used in **Hybrid Vehicles, Audio Amplifiers, Telematics, DC/DC power converters** and many other applications.

**Power Integrations and the Qspeed Family** ([www.power.com](http://www.power.com))

### **HIGH SPEED Si DIODES & ICs**

Power Integrations (PI) is the leading supplier of high-voltage analog integrated circuits used in energy-efficient power conversion. The company's innovative technology enables compact, energy-efficient power supplies in a wide range of electronic products, in AC-DC, DC-DC, and LED lighting applications. PI's recent acquisition of Qspeed Semiconductor further expanded the company's product offering to include the **Qspeed** family of advanced diodes. These high-performance diodes reduce wasted energy in power factor correction and output rectification applications, providing an overall switching performance that is comparable to silicon-carbide (SiC) diodes at much lower cost.

**Electronic Concepts, Inc.** ([www.ecicaps.com](http://www.ecicaps.com))

### **FILM CAPACITORS**

ECI is a **Film Capacitor** supplier that specializes in **high voltage, & high frequency** applications with both small and large volume requirements. They have many lines of capacitors using different dielectric and encapsulation materials creating a strong portfolio of products. ECI is a leader in new technology for film capacitors and they pride themselves in meeting any requirement on the market. Their primary markets include, but are not limited to, Military, Automotive, & Industrial.

**United Silicon Carbide, Inc.** ([www.Unitedsic.com](http://www.Unitedsic.com))

### **SiC DIODES & SWITCHES**

United SiC is changing the way energy is processed through breakthrough **Silicon Carbide (SiC) technology**. United SiC power semiconductor products deliver **record-breaking efficiency, greater power density, and higher reliability** than comparable silicon-based devices. Standard products include 650V to 1700V JBS Schottky Diodes and normally open & normally closed JFETs. In addition USCi has custom products ranging from bipolar transistors to IC's up to 20KV. Solutions from United SiC are ideal for a variety of power electronics applications such as **power supplies, solar, wind inverters, rectifiers, grid storage, and hybrid-electric drives**.

## PRODUCTS

**FEDCO Batteries, Inc.** ([www.fedcobatteries.com](http://www.fedcobatteries.com))

### **BATTERY PACKS & CELLS**

FEDCO is the nation's largest value added **battery distributor** serving the information technology industry. Fedco also is a **leading designer, engineer and manufacturing expert of custom, high quality battery packs** that coupled with ac adapters and dc power adapters and chargers and electronics, provides a total power solution. Established in 1975, Fedco has become one of the most respected names in the battery industry through our commitment to provide high quality products at competitive prices along with unsurpassed customer service.

**ZES ZIMMER** ([www.ZES.com](http://www.ZES.com))

### **POWER ANALYZERS**

ZES ZIMMER of Germany offers AC power analyzers that are extremely reliable, with best-in-class accuracy and maximum frequency range. Their meters offer more capability, including the ability to measure up to 7 power channels in two bandwidths at the same time (PWM), custom filters, and versatile sync options, than any other product on the market today.

## **Future Technology Worldwide**

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## PRODUCTS (continued)

### **Core Technology, Inc.** ([www.Coretechnology.com](http://www.Coretechnology.com))

#### **POWER SUPPLIES, CONVERTERS**

Provider of high performance custom and standard **AC/DC** and **DC/DC power conversion** products and a broad range of highly efficient and reliable solutions. Core offers products ranging from modular component power, rack-mount solutions, stand-alone power supplies, and custom form factors to meet various needs. Their products range from as low as 5 watts up to 8,000 watts. They use a **Discrete Modular Integration (DMI)** to quickly and reliably engineer custom products to customer requirements. DMI provides numerous benefits to their customers including low NRE, quick turn-around times, and having low-risk development through field-proven technology. Current markets are: transportation, aerospace, military, communications, industrial automation, and green technology industries.

### **Detroit Delta** ([www.DetroitDelta.com](http://www.DetroitDelta.com))

#### **3D PRINTERS**

Detroit Delta manufactures Industrial 3-D printers for high reliability and maximum throughput. An industry first, Shockplate™ technology, provides automatic part release. High temperature extrusion supports a wide range of industrial grade thermoplastics.

### **Global ET** ([www.Globalet.com](http://www.Globalet.com))

#### **POWER CONTROLLERS, CONVERTERS, POWER DISTRIBUTION**

Global ET creates and produces compact, smart, networked, configurable, and modular power control electronics. Global ET products are configured for applications such as advanced **voltage regulators, intelligent power distributions units, DC/DC converters, and motor controllers**. Global ET specializes in high current and high voltage systems in automotive, heavy truck, military ground vehicle, and robotics industries.

## SERVICES

### **Detroit Delta** ([www.DetroitDelta.com](http://www.DetroitDelta.com))

#### **3D PRINTING**

Detroit Delta offers full service solutions from industrial design, **3-D scanning** to **3-D printing**. Specializing in product prototyping with quick turnaround and creative design support. Your order will be promptly, and professionally managed by Delta's award winning staff.

### **Elite Testing** ([www.elitetest.com](http://www.elitetest.com))

#### **ENVIRONMENTAL & EMC TESTING**

Elite Electronic Engineering is the premiere EMC & environmental stress test laboratory for **Automotive, Aerospace, Military, and Commercial Products**. MIL/Aero capabilities include MIL-461 & DO-160, Lightning (Level 5), HIRF (up to 5000V/m), and EMP. Automotive capabilities include five CSIPR 25 chambers and whole vehicle EMC testing. Elite is an approved EMC lab for Ford, GM, & Chrysler, and highly experienced with testing for other automotive OEM's as well as for construction, truck, and ag equipment. Elite is a designated FCC, Canada, and European certification body for wireless devices. Two fully automated 3-meter chambers speed testing and support quick market access. With a full environmental stress test lab for temperature, humidity, and vibration stress testing, **Elite offers one-stop for all testing needs**.

### **Lunar Industries** ([www.lunarind.com](http://www.lunarind.com))

#### **TOOLING, FIXTURING & GAUGES**

Lunar Industries, a certified women-owned business, has been designing and manufacturing custom specialty tooling, fixtures and gauges for over 45 years. Certified to both **ISO 9001** and **AS9100** quality standards, the company is known for its excellent quality and customer service. Lunar Industries has the ability to provide a wide variety of specialty tooling, design and build, small to large sizes, and simple to highly complex with **tight tolerance** requirements.

### **Made-Right Precision Manufacturing** ([www.maderightonsize.com](http://www.maderightonsize.com))

#### **CNC MANUFACTURING**

Made Right is a CNC job shop specializing in Milling work. The **experienced, highly trained** and **talented** Machinists are the corner stone to their success. Utilization of the latest technology is key to producing parts right the first time. Their high-speed machining centers are also capable of **3d mold work**. They work with a wide variety of materials including plastics and other non-typical materials.

### **Tecnova Electronics Inc.** ([www.tecnova.com](http://www.tecnova.com))

#### **ELECTRONIC CONTRACT MANUFACTURING**

Having just moved into their new facility, Tecnova is perfectly positioned to take on any electronic manufacturing opportunity. From PCB assembly to complete module and product assembly (including wire and cable harnesses, or control panels) Tecnova does it all. This includes but is not limited to, in-circuit test, functional test, conformal coating, and potting. Tecnova has all of the necessary disciplines to truly offer a turnkey experience.

### **Tecnova Inc.** ([www.tecnova.com](http://www.tecnova.com))

#### **PRODUCT & AUTOMATED TEST DEVELOPMENT**

Tecnova provides design services for any phase of **Product Development** as well as full turnkey solutions. They use innovative design skills and cover everything from Specification Creation, Electrical, Mechanical and Software



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development. In addition, Tecnova also specializes in **Automated Test development**. Tecnova is your partner in success, bringing your concepts and development challenges to market quickly and efficiently.

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